

I claim:

1. A portable device for use in curing gel nail preparations on human hands and feet, said device comprising:

5 a housing having a front wall, a back wall, two side walls, a top and a bottom, said front wall having three horizontal openings therethrough, an uppermost opening, a middle opening and a lowermost opening;

three compartments situated within said housing, a first compartment accessed through said uppermost opening, a second compartment accessed 10 through said middle opening and a third compartment accessed through said lowermost opening;

15 three partitions disposed within said housing, a first partition defining the first compartment, a second partition defining the second compartment and a third partition defining the third compartment, each partition forming the walls of the compartment and including a floor and a ceiling; and

three UV lamps, a first UV lamp affixed near the ceiling of the first compartment, a second UV lamp affixed near the floor of the second compartment, and a third UV lamp affixed near the ceiling of the third compartment,

20 whereby when the index and three fingers of the hands are placed flat on the floor of the first compartment and the thumbs are placed flat against the ceiling of the second compartment, radiation from the first UV lamp is directed toward the floor of the first compartment and radiation from the second UV lamp is directed toward the ceiling of the second compartment so the fingernails receive direct radiation, and when the feet are placed flat on the floor of the third 25 compartment, radiation from the third UV lamp is directed toward the floor of the third compartment and the toe nails receive direct radiation.

2. A device as in claim 1 wherein the floor of the first compartment, the ceiling of the second compartment and the floor of the third compartment are substantially flat.

5 3. A device as in claim 2 wherein the remainder of the partition in each compartment is curved to best concentrate the UV radiation toward the flat ceiling and floors.

10 4. A device as in claim 3 wherein the inner surfaces of the partitions are coated with a reflective material to reflect the UV light and assist in concentrating same toward the flat ceiling and floors.

5, A device as in claim 1 wherein the first, second and third UV lamps are tubular.

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6. A device as in claim 1 wherein the first opening and the third opening are substantially the width of the front wall.

20 7. A device as in claim 1 wherein the second opening is horizontally centered.

8. A device as in claim 1 wherein the vertical extent of the second opening is greater than that of the first opening.

25 9. A device as in claim 1 wherein the vertical extent of the third opening is greater than that of the first opening.

10. A device as in claim 1 further comprising a hand rest disposed between the uppermost opening and the middle opening, said hand rest comprising a rounded member extending outwardly from said front wall and extending horizontally at least the length of the middle opening.

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11. A device as in claim 1 wherein the first compartment is dimensioned to contain the index and three fingers of both hands.

12. A device as in claim 1 wherein the second compartment is dimensioned to 10 contain the thumbs of both hands.

13. A device as in claim 1 wherein the third compartment is dimensioned to contain both feet.

15 14. A device as in claim 1 further comprising a power means for activating the UV lamps, said power means selected from the group consisting of line current and a rechargeable battery.

15. A device as in claim 14 wherein the power means comprises both line 20 current and a rechargeable battery.

16. A device as in claim 15 wherein the line current is delivered by means of an electric cord.

25 17. A device as in claim 16 further comprising a retractable cord mechanism to contain the electric cord when not in use, said retractable cord mechanism being disposed within the housing.

18. A device as in claim 1 further comprising a control panel disposed in the front wall of the housing, said control panel containing timer means to preset the length of time required for curing the gel nail preparations, visible readout means to indicate the time remaining for the curing process, and lamp selection means to activate the desired UV lamps.

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19. A portable device for use in curing gel nail preparations on human hands and feet, said device comprising:

10 a housing having a front wall, a back wall, two side walls, a top and a bottom, said front wall having three horizontal openings therethrough, an uppermost opening, a middle opening and a lowermost opening;

15 three compartments situated within said housing, a first compartment accessed through said uppermost opening, a second compartment accessed through said middle opening and a third compartment accessed through said lowermost opening;

three partitions disposed within said housing, a first partition defining the first compartment, a second partition defining the second compartment and a third partition defining the third compartment, each partition forming the walls of the compartment and including a floor and a ceiling;

20 three UV lamps, a first UV lamp affixed near the ceiling of the first compartment, a second UV lamp affixed near the floor of the second compartment, and a third UV lamp affixed near the ceiling of the third compartment; and

power means for activating the UV lamps, said power means comprising both line current and a rechargeable battery,

25 whereby the device operates by line current and when the line current is disconnected the device operates by means of the battery, and when the index and three fingers of the hands are placed flat on the floor of the first

compartment and the thumbs are placed flat against the ceiling of the second compartment, radiation from the first UV lamp is directed toward the floor of the first compartment and radiation from the second UV lamp is directed toward the ceiling of the second compartment so the fingernails receive direct radiation, and
5 when the feet are placed flat on the floor of the third compartment, radiation from the third UV lamp is directed toward the floor of the third compartment and the toe nails receive direct radiation.

20. A device as in claim 19 further comprising a hand rest disposed between
10 the uppermost opening and the middle opening, said hand rest comprising a rounded member extending outwardly from said front wall and extending horizontally at least the length of the middle opening.

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